ADAPTIVE PROFILE-BASED MOBILE DOCUMENT INTEGRATION

ABSTRACT OF THE DISCLOSURE

A system transforms computer network content from a native format into a device

5   specific format that is configured for use and display by a requesting device. The system

includes a content transformer that is configured to process requests for content on a

computer network, such as requests for Web pages over the Internet. The content transformer

retrieves the content and conducts a semantic and/or heuristic analysis of the content using a

set of general or user-defined rules. Based upon the analysis, the content transformer

10   generates a user device version of the content that is tailored for display on the user device

and that provides an easily-navigable overview of the content. Advantageously, the

transformed version of the contents does not require the user device to have a high data

transmission bandwidth or high memory capacity.

15